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B. R.

T. L.

T. G.

K. G.

B. P.

This is the write up I have submitted to Metro for an environmental award we hope to get - they give out ① of these each year in King County.

I will not hear on this for a couple of weeks but I believe you will find all of this information of interest.

Tom.

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Application to King County

from

Longview Fibre Company

Seattle, Washington

For the

EnvirOvation Award for 1998

submitted January 28, 1999

By Tom Craig, Plant Manager

**Application for EnvirOvation Award
from Longview Fibre Company**

Please consider Longview Fibre Company for the EnvirOvation award based on some major modifications we made which resulted in a significant reduction of solid waste and water sent to the King County treatment system. These changes, in addition to our other efforts, also accomplished an overall reduction in the amount of water we use and an increase in our reuse of "waste" water.

Efforts and Modifications

We asked our production crews and supervisors for their input on ways to reduce water consumption. We had meetings several times to keep water conservation in the front of everyone's mind. Two significant modifications contributed to our success. In November 1997, we installed a "closed loop" water cooling system that allowed us to reduce our daily water usage by approximately 4,000 gallons. And in May 1998, we installed and started operating a Beckart water treatment system. The Beckart system removes solids, controls pH and saves our process water for reuse. In addition to the two changes to our operation mentioned above, we added "trigger" nozzles to all our water hoses to reduce water usage.

Reduction in Water Used and Discharged

Our water usage for 1997 averaged 17,736 gallons per operating day based on an annual average. In 1998, we used 10,305 gallons. This is a reduction in demand of 42%. Our "closed loop" water cooling system and Beckart system also contributed to a decline in the amount of wastewater sent to King County for treatment. In 1997, we sent 10,509 gallons of wastewater per day to the sewer. In 1998, we reduced that amount to 3,248 gallons per day. This is a 69% reduction.

In addition to our process, we use water for a sanitary sewer system, which serves about 110 employees, boiler make-up water and other operational needs. Since the installation of the Beckart system, we have been able to reuse nearly all of the water we bring into the plant. In fact, in the first six months the treatment plant was running, our water intake dropped to about 9,795 gallons per day. And, by reusing most the water we collect and treat, we have further reduced the amount being returned to King County to an average of 2,619 gallons per day.

Another modification we made was to seal up the drains leading directly to the sewer from our process. In the rare situations where our "treated" water is not reused, it has to be pumped over to a sewer drain rather than emptied to a directly connected discharge point. So, except for the sanitary sewer and boiler blowdown water, we reuse most of the water that enters our facility.

Reduction in Solids to King County Treatment System

In addition to our water usage and discharge reduction, we find that our Beckart is removing approximately **12 tons a month of solid material**. This is at 50% moisture so actual dry weight would be roughly six tons per month. In the past, this material would have been sent down the sewer to the King County treatment system. The solid material removed has been extensively tested and checked and is approved for landfill. It is placed in a separate dumpster and hauled away by Waste Management.

Our reduction in the amount of water we use and wastewater and solids sent to the sewer eases the burden on King County resources. We sincerely hope that in recognition of our efforts and because of our outstanding results, you will grant us your prestigious EnvirOvation Award.

**Longview Fibre Company
Seattle, Washington
Average Water Used and
Waste Water Discharged
Per Operating Day**

